

REMARKS

Claims 1-15 were examined. Claims 1 and 2 are amended. Claims 12-15 are canceled. Claims 1-11 remain in the application.

The Patent Office objects to the drawings under 37 CFR 1.830(a). The Patent Office objects to claims 1-4 and 6 because of informalities. The Patent Office rejects claims 1-11 under 35 U.S.C. §102(b) or §103(a). Reconsideration of the application is respectfully requested in view of the above amendments and the following remarks.

A. Objection to Drawings

The Patent Office objects to the drawings under 37 CFR §1.830(a). Applicants amend the specification to include new Figure 19 and amends the application to reference Figure 19. Support for Figure 19 may be found in the application as filed at page 8, paragraph 0041. Where, with reference to Figure 18, the application provides, "[I]n this embodiment, where encapsulants surround 75-90 percent or more of fusible masses 580, the connection of structure 600 to structure 500 leads at least minimal gap thickness, T_3 , if any, between the connective structures. In another embodiment, the material for encapsulant 590 may be selected so that the material does not set until the structures (e.g., structure 600 and structure 500) are connected together. For example, an encapsulant of a polymer material may be selected such that 60 to 90 percent of a theoretical cross-link density is achieved prior to the connection of substrate 600 to substrate 500 through fusible masses 580. Once a connection is made, encapsulant 590 that is present in an amount sufficient to contact substrate 610 (e.g., T_3 is zero) allows the encapsulant to bond the structure together."

Applicants respectfully request that the Patent Office accept and enter Figure 19 and the amendments to the specification. Applicants further request that the Patent Office withdraw the objection to the drawing under 37 CFR §1.830(a).

B. Claim Objection

The Patent Office objects to claims 1, 2, 4 and 6 for certain informalities. Applicants amend claims 1 and 2 to address the objections raised by the Patent Office. Applicants respectfully request the Patent Office withdraw the objection to claims 1, 2, 4 and 6.

C. Claim Rejections

All of Applicants' claims stand rejected as being either anticipated or, in combination with other references, obvious in view of U.S. Patent No. 6,815,254 issued to Mistry, et al. (Mistry). All of these rejections are overcome by the Rule 131 Declaration and supporting evidence enclosed herewith, which show that the subject matter of the rejected claims enjoys an earlier date of invention than the filing date of Mistry. Accordingly, Applicants seek reconsideration and withdrawal of the prior art rejection.

CONCLUSION

In view of the foregoing, it is believed that all claims now pending, namely claims 1-11, are patentably define the subject invention over the prior art of record, and are in condition for allowance and such action is earnestly solicited at the earliest possible date. If the Examiner believes that a telephone conference would be useful in moving the application forward to allowance, the Examiner is encouraged to contact the undersigned at (310) 207 3800.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Date:

6/10/05

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I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Nedy Calderon
Nedy Calderon

6/10/05
Date